which it ſtuck by the root F, at the end of which ſm
ed-on a *Hemiſphere*, or half a hollow Ball,with the n
the ſtemwards, ſo that it looked much like a Funnel
Bowl without a foot. This night, making many tr
of this Experiment,I met,among a multitude of the
I had obſerved, a couple of Inſtances, which are ve
confirmation of my *Hypotheſis*.

And the Firſt was of a pretty big Ball faſtened on
ſliver of Iron,which *Compoſitum* ſeemed to be nothin
chip of Iron,one of whoſe ends was melted into a ſm
other end remaining unmelted and irregular, and pe

The Second Inſtance was not leſs remarkable t
found, when a Spark went out, nothing but a very
of Iron or Steel, unmelted at either end. So that it
theſe Sparks are the ſlivers or chips of the Iron *vitri*
ly the ſlivers melted into Balls without vitrification,
are only ſmall ſlivers of the Iron, made red-hot witl
ſtroke given on the Steel by the Flint.

He that ſhall diligently examine the *Phænomena*
will, I doubt not, find cauſe to believe, that the reaſ
given of it, is the true and genuine cauſe of it, nam
appearing ſo bright in the falling,is nothing elſe but a ſ
or Flint, but moſt commonly of the Steel, which by the
is at the ſame time ſever'd and heatt red-hot, and tha
degree, as to make it melt together into a ſmall Globule
times alſo is that heat ſo very intenſe, as further to melt
many times the heat is ſo gentle, as to be able to make t
which notwithſtanding falling upon the tinder (that i
ſmall Coal made of the ſmall threads of Linnen
char'd) *it eaſily ſets it on fire.* Nor will any part of
ſtrange to him that conſiders, Firſt, that either ham
otherwiſe violently rubbing of Steel, will preſently
be able to burn ones fingers. Next, that the whole
is exerted upon that ſmall part where the Flint and S
the Bodies being each of them ſo very hard, the pu
municated, that is, the parts of each can yield but v
fore the violence of the concuſſion will be *exerted*
which is cut off by the Flint. Thirdly, that the fil
Steel are very apt,as it were,to take fire, and are pr
is,there ſeems to be a very *combuſtible ſulphureous* E
which the Air very readily preys upon, as ſoon as th
lently heated.

And this is obvious in the filings of Steel or Iron ca
of a Candle; for even by that ſudden *tranſitus* of th
they are heat red hot, and that *combuſtible ſulphure*
ly prey'd upon and devoured by the *aereal* incor
whoſe office in this Particular I have ſhewn in the
cole.